



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090302

Mode: Highway

Status: Submitted

NC-87

From/Cross Street: NC 902

Specific Improvement Type: 16 - Modernize Roadway

To: Alamance County Line

Project Category: Regional Impact

Length: 10.91

TIP#: R-4754

Fully Funded in Draft STIP? No

Cost to NCDOT: \$18,810,000

Description:

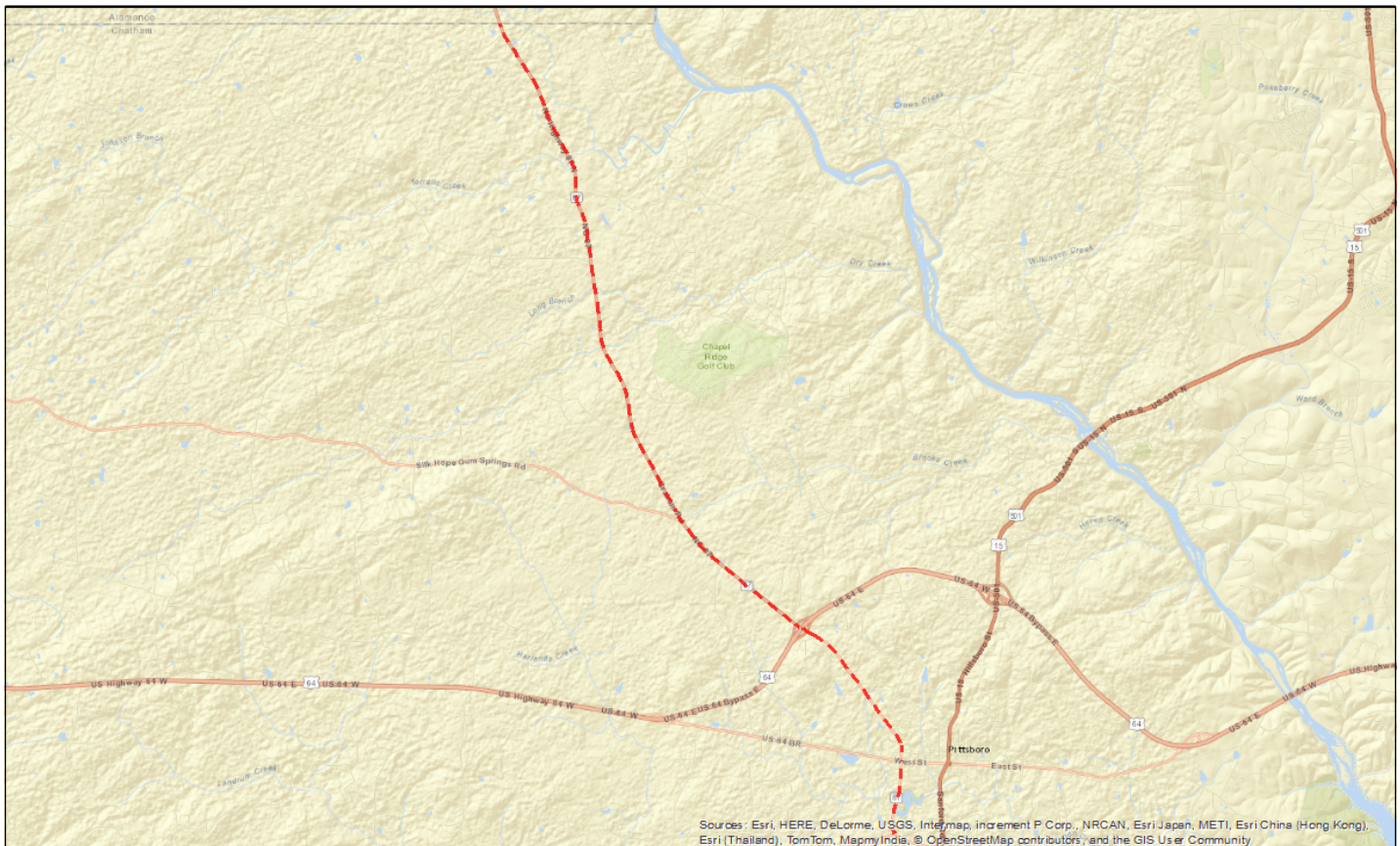
Widen to 12 ft lanes and 4 ft paved shoulders

Division(s): Division 8, Division 7

County(s): CHATHAM, ALAMANCE

MPOS(s)/RPO(s): Triangle Area RPO, Burlington Graham MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 23.57

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 37.04	Percent: 15%	Percent: 15%
Congestion (V/C) (25%) 14.23	Points: 0	Points: 100
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 13.11		
Totals: Weight: 70% Weighted Score: 8.57		

Division Needs Total Score: 6.55

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 14.23	Percent: 25%	Percent: 25%
Safety (10%) 37.04	Points: 0	Points: 0
[Travel Time] Benefit/Cost (20%) 0.00		
Totals: Weight: 50% Weighted Score: 6.55		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	52
Length (miles):	10.91
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	3337.83
Capacity:	15532.38
Volume/Capacity Ratio:	0.21
% Autos:	94%
% Trucks:	6%
Truck Volume:	190.36
Crash Density:	47.01
Crash Severity:	24.7
Critical Crash Rate:	39.42
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	26
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	77
Actual Congested Speed:	47.69
Travel Time Index:	1.1

Project Benefits

Project Cross-Section:	
Speed Limit:	52
Length (miles):	10.91
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	0	0
Division 7	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Triangle Area RPO	100%	100	0
Burlington Graham MPO	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$18,810,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$18,810,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$18,810,000	